Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/15/2017 10:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124505	-1	1.46	124407	1.45
Blue	F	SSC	125000	122907	-2	2.82	123297	2.63
Blue	E	FITC	21625	21086	-3	2.45	941	9.72
Blue	D	PE	26832	26567	-1	1.95	952	9.61
Blue	B	PerCP-Cy5-5	48027	47422	-2	3.27	1358	16.35
Blue	A	PE-Cy7	40971	40129	-3	4.90	623	34.33
Red	C	APC	49746	48937	-2	2.76	2821	9.27
Red	A	APC-Cy7	53615	52743	-2	2.80	1092	11.27
Violet	B	V450	14488	13713	-6	5.27	659	9.40
Violet	A	V500	55123	53459	-4	5.15	2373	7.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18887	4.53	603	5	N/A	N/A	Pass
Blue	F	SSC	61051	1.50	533	-1	N/A	N/A	Pass
Blue	E	FITC	106	38.44	534	-2	0.0238	254	Pass
Blue	D	PE	208	27.97	530	-1	0.1627	210	Pass
Blue	B	PerCP-Cy5-5	214	43.66	625	-4	0.0109	111	Pass
Blue	A	PE-Cy7	69	111.89	674	-7	0.0126	11	Pass
Red	C	APC	331	27.51	589	-5	0.0214	107	Pass
Red	A	APC-Cy7	119	39.54	573	-7	0.0054	1289	Pass
Violet	B	V450	80	41.01	466	-5	0.0501	1901	Pass
Violet	A	V500	173	22.64	492	-4	0.0167	687	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.99	-31.29	0.85
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	17.08	13.27 - 19.91	N/A	N/A	31.42	31.95	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 13653

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments